	Application No.	Applicant(s)
Alada Alba I 194	10/077,000	LAGASSE ET AL.
Notice of Allowability	Examiner	Art Unit
	Quan-Zhen Wang	2633
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	plication. If not included will be mailed in due course. THIS
1. This communication is responsive to <u>2/15/02</u> .		
2. ☑ The allowed claim(s) is/are <u>1-38</u> .		
3. X The drawings filed on 15 February 2002 are accepted by the	ne Examiner.	
4. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the such as the application number (see 37 CFR 1.	e been received. been received in Application No cuments have been received in this communication to file a reply lENT of this application. itted. Note the attached EXAMINER es reason(s) why the oath or declara to be submitted. con's Patent Drawing Review (PTO- cs Amendment / Comment or in the Co	national stage application from the complying with the requirements 'S AMENDMENT or NOTICE OF tion is deficient. 948) attached Office action of the back of
DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I		
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 7/29/02, 8/1/02 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	6. ☐ Interview Summary Paper No./Mail Dat 8), 7. ☐ Examiner's Amendr	te

DETAILED ACTION

Allowable Subject Matter

- 1. Claims 1-38 are allowed.
- 2. The following is an examiner's statement of reasons for allowance:

Regarding claims 1 and 24, the prior arts of Smets et al. (U.S. Patent US 6,411,415 B1), Desurvire (U.S. Patent US 6,556,322 B1), and Mollenauer (U.S. Patent US 5,710,649) do not fairly teach or suggest a plurality phase shifters, each of the plurality of phase shifters including a clock input that receives the electrical clock signal and including a control input, a respective one of the plurality of phase shifters generating a phase-shifted electrical clock signal in response to a signal applied to the control input of the respective one of the plurality of phase shifters, in addition to other limitations recited in claims 1 and 24.

As to claims 14 and 31, the prior arts of Smets et al. (U.S. Patent US 6,411,415 B1), Desurvire (U.S. Patent US 6,556,322 B1), and Mollenauer (U.S. Patent US 5,710,649) do not teach generating a plurality of phase-shifted electrical clock signals in response to at least one control signals, a respective one of the plurality of phase-shifted electrical clock signals being synchronized to a respective one of the plurality of data channels, in addition to other limitations recited in claims 14 and 31.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

 The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Smets et al. (U.S. Patent US 6,411,415 B1) is recited to show an optical transmission system with a receiver using full optical clock recovery (fig. 1) which comprises an optical clock recovery system (fig. 1, element 48; and column 4, lines 44-51); a beam splitter (fig. 1, element 28) to generate plurality identical optical signals (column 4, lines 52-58).

Desurvire (U.S. Patent US 6,556,322 B1) is recited to show a system to detect one or more free channels in an optical time-division multiplex (fig. 1) which comprises an optical clock recovery system (fig. 1, element 4; and column 4, lines 13-14); a splitter (fig. 1, element 105) to generate plurality identical optical signals (column 4, lines 15-18), a phase shifter (fig. 1, element 123) to phase-shift the clock signal a predetermined amount (column 4, lines 23-27).

Mollenauer (U.S. Patent US 5,710,649) is recited to show a time-division demultiplexer (fig. 5) which comprises an optical splitter (fig. 5, element 45) to split input optical signals into plurality identical, separate signals (column 9, line 67 and column 10, lines 1-5), a clock recovery system (fig. 5, Branch CD; column 10, lines 6-29).

In addition, Smith et al. (U.S. Patent US 4,809,256) is recited to show a method and system (fig. 1) for demultiplexing an optical signal having a bit rate in the order of Gbit/second (column 2, lines 39-68, and column 3, lines 1-35), which comprises an optical splitter (fig. 1, element 3) generating a plurality of substantially identical optical

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data signals (column 2, lines 46-49), an electrical clock recovery circuit (fig. 1, OPTICAL FIBER REGENERATOR 1) generating an electrical clock signals (column 2, lines 43-46).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quan-Zhen Wang whose telephone number is (571) 272-3114. The examiner can normally be reached on 9:00 AM - 5:00 PM, Monday -Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason Chan can be reached on (571) 272-3022. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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m. R. Sealishian